

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Etsuko MIYAMOTO et al. : **Mail Stop: PCT**

Serial No. 10/579,802 : Attorney Docket No. 2006\_0750A

Filed May 18, 2006 :

PROTEIN FORMING COMPLEX WITH c-Jun  
PROTEIN, NUCLEIC ACID ENCODING THE  
SAME AND METHOD OF USING THE SAME

[Corresponding to PCT/JP2004/017306

Filed November 19, 2004]

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**SECOND INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- each U.S. Patent and U.S. Patent application publication;
- each reference previously cited in the international application PCT/\_\_\_\_\_; and/or
- each reference previously cited in prior parent application Serial No. \_\_\_\_\_.

1a. [X] This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

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before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

1b.  This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1)  the certification of paragraph 2 below is provided, **or**

(2)  the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c.  This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and**

**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

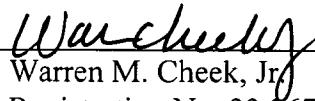
- a.  that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
- b.  that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in § 1.56(c) more than three months prior to the filing of the Statement.

3.  Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
  - a.  a full or partial English language translation submitted herewith,
  - b.  a foreign patent office search report (in the English language) submitted herewith,
  - c.  the concise explanation contained in the specification of the present application at pages 3-5,
  - d.  the concise explanation set forth in the attached English language abstract,
  - e.  the concise explanation set forth below or on a separate sheet attached to the reference:
5.  A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Etsuko MIYAMOTO et al.

By

  
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July 27, 2006

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## INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 ( <i>modified</i> )  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) ( <i>Use several sheets if necessary</i> )  Date Submitted to PTO: July 27, 2006			ATTY DOCKET NO. 2006_0750A	SERIAL NO. 10/579,802
			APPLICANT Etsuko MIYAMOTO et al.	
			FILING DATE May 18, 2006	GROUP

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
Abs only	AA	98/16636 A1	04/1998	WO			abstract
Abs only	AB	02/46395 A1	06/2002	WO			abstract

OTHER DOCUMENT(S) (*Including Author, Title, Date, Pertinent Pages, Etc.*)

	AC	Saegusa, A., "Japan boosts proteomics and cell biology..." <i>Nature</i> , Vol. 401, p.313 (1999).
	AD	Dalton, R. et al., "Can researchers find recipe for proteins and chips?", <i>Nature</i> , Vol. 402, pp. 718-719 (1999).
ABS only	AE	Miyamoto, E. et al., "Analyses of protein-protein interactions and gene networks by <i>in vitro</i> virus method", Series <i>Genome Science of Post-sequencing 3, Proteomics</i> , pp. 136 to 145 (2000). (Partial English Translation.)
ABS only	AF	Miyamoto, E. et al., "Applications of puromycin for evolutionary molecular engineering of proteins and analysis of gene networks", <i>Protein, Nucleic Acid and Enzyme</i> , Vol. 46, No. 2, pp. 138 to 147 (2001). (Partial English Translation.)
	AG	Xiong, Y. et al., "p21 is a universal inhibitor of cyclin kinases", <i>Nature</i> , Vol. 366, pp. 701-704 (1993).
	AH	Kaelin Jr., W. et al., "Identification of Cellular Proteins That Can Interact Specifically with the T/E1A-Binding Region of the Retinoblastoma Gene Product", <i>Cell</i> , Vol. 64, pp. 521-532 (1991).
	AI	Rigaut, G. et al., "A generic protein purification method for protein complex characterization and proteome exploration", <i>Nature Biotechnology</i> , Vol. 17, pp. 1030 to 1032 (1999).
	AJ	Fields, S. et al., "A novel genetic system to detect protein-protein interactions", <i>Nature</i> , Vol. 340, pp. 245-246 (1989).
ABS only	AK	Miyamoto-Sato, E., et al., "Construction of virus-type molecules in evolutionary molecular engineering", <i>Viva Origino</i> , Vol. 25, p. 35 (1997). (Partial English Translation.)
	AL	Doi, N. et al., "STABLE: protein-DNA fusion system for screening of combinatorial protein libraries <i>in vitro</i> ", <i>FEBS Letters</i> , Vol. 457, pp. 227-230 (1999).
	AM	Smith, G., "Filamentous Fusion Phage: Novel Expression Vectors that Display Cloned Antigens on the Virion Surface", <i>Science</i> , Vol. 228, No. 4705, pp. 1315-1317 (1985).

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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## INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (*modified*)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(*Use several sheets if necessary*)

Date Submitted to PTO: July 27, 2006

ATTY DOCKET NO.  
2006\_0750ASERIAL NO.  
10/579,802APPLICANT  
Etsuko MIYAMOTO et al.FILING DATE  
May 18, 2006

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA						
	BB						
	BC						
	BD						
	BE						
	BF						
	BG						
	BH						
	BI						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	BJ	95/11922 A1	05/1995	WO			
	BK						
	BL						
	BM						
	BN						

OTHER DOCUMENT(S) (*Including Author, Title, Date, Pertinent Pages, Etc.*)

	BO	Mattheakis, L. et al., "An <i>in vitro</i> polysome display system for identifying ligands from very large peptide libraries", <i>Proc. Natl. Acad. Sci.</i> , Vol. 91, pp. 9022 to 9026 (1994).
	BP	Bohmann, D. et al., "Human Proto-Oncogene c-jun Encodes a DNA Binding Protein with Structural and Functional Properties of Transcription Factor AP-1" <i>Science</i> , Vol. 238, No. 4832, pp. 1386-1392 (1987).
	BQ	Hilberg, F. et al., "c-Jun is essential for normal mouse development and hepatogenesis", <i>Nature</i> , Vol. 365, pp. 179-181 (1993).

EXAMINER

/Michele K. Joike/

DATE CONSIDERED

10/10/2008

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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